2002

(Depositor's name)

MAY 1 2 2005

PART B - FEE(S) TRANSMITTAL

Complete and TRADEM

nd this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissiomer for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address

7590 02/23/2005

Jeffrey P. Aiello Samsung Information Systems America 75 West Plumeria Drive San Jose, CA 95134

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Bach additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

05/13/2005 HGEBREH2 00000003 10658565 (Signature 01 FC:1501 1400.00 OP (Date 02 FC:1504 <u>300..00_OP</u> APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/658,565 09/08/2003 Geng Wang HDD03-HM06 3421

TITLE OF INVENTION: METHOD FOR DYNAMICALLY MEASURING SUSPENSION IN-PLANE AND OUT-PLANE THERMAL DRIFT HARD DISK DRIVES

CrR 1363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/47; 22) attached. The Address indication (or "Fee Address" Indication form PTO/SB/47; 22) attached. The Address indication (or "Fee Address" Indication form PTO/SB/47; 24 or more recent) attached. Use of a Cautomer Number is required. Assignee NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been file recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) SAMSUNG ELECTRONICS, CO., LTD. SUWON City, Kyungki-do Rebublic of Korea Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government. 4b. Payment of Fee(s): Change in Entity Status (from status indicated above) Advance Order - # of Copies A Applicant claims SMALL ENTITY status. See 37 CFR 1.27. (1) the names of up to 3 registered patent attorneys or agents) and the names of up to 2 registered patent attorneys or agents or agen	APPLN. TYPE SMALL ENTITY ISSU		ISSUE F	EP	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE		
GIESY, ADAM 2651 360-031000 1. Charge of correspondence address or indication of "Fee Address" (37 CPR 1563). CPR 1563). Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. The Address from PTO/SB/122) attached. The Address from PTO/SB/122) attached. The Address from Correspondence address (or Change of Correspondence Address from Correspondence from Correspondence address from Correspondence from Correspondence from Corr	nonprovisional NO \$		\$1400	0	\$300	\$1700	05/23/2005 .		
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1363). 1. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) stateched. 1. The Address form PTO/SB/122) stateched. 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorneys or agents) and the names of up to 2 registered patent attorneys or agents, if no name is 3. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignce is identified below, no assigned data will appear on the patent. If an assignce is identified below, the document has been file recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) SAMSUNG ELECTRONICS, CO., LTD. SUWON City, Kyungki-do Rebublic of Korea Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Governs (and the fee of the control of the fee(s)) is enclosed. 2. Change in Entity Status (from status indicated above) 3. Acheck in the amount of the fee(s) is enclosed. 2. Change in Entity Status (from status indicated above) 3. A check in the amount of the fee(s) is enclosed. 3. The Director is hereby authorized by charge the required fee(s), or credit any overpayment (enclose an extra copy of this form). 4. Payment by credit card. Form PTO-2038 is attached. 4. Payment by credit card. Form PTO-2038 is attached. 4. Payment by credit card. Form PTO-2038 is attached. 4. Payment by credit card. Form PTO-2038 is attached. 4. Payment by credit card. Form PTO-2038 is attached. 4. Payment by credit card. Form PTO-2038 is attached. 4. Payment by credit card. Form PTO-2038 is attached. 4. Payment by credit card. Form PTO-2038 is attached. 4. Payment by credit	EXAMINER		ART UNIT		CLASS-SUBCLASS	1			
Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. The Address indication (or "Fee Address" indication form PTO/SB/123 attached. Use of a Cuntomer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been file recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) SAMSUNG ELECTRONICS, CO., LTD. SUWON City, Kyungki-do Rebublic of Korea Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Govern 4a. The following fee(s) are enclosed: Advance Order - # of Copies Advance Order - # of Copies Applicant claims SMALL ENTITY status. See 37 CFR 1.27. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. Authorized Signature (1) the names of up to 3 registered patent attorneys or agents of R. aldernatively. (2) the name of significant attorneys or agents attorneys or agents of R. aldernatively. (3) the names of up to 3 registered patent attorneys or agents of R. aldernatively. (4) the names of up to 3 registered patent attorneys or agents of up to 10 to 2 registered patent attorneys or agents of R. aldernatively. (5) the names of up to 3 registered patent attorneys or agents of R. aldernatively. (6) the names of up to 10 to 2 registered patent attorneys or agents of R. aldernatively. (7) the names of up to 10 to 2 registered patent attorneys or agents of the assignee or other partners as shown by the records of the USPTO is requested to apply the Issue Fee and Publication for the assignee or other partners as shown by the records of the	GIESY, ADAM 26				360-031000	J			
4b. Payment of Fee(s): Classue Fee	CFR 1363). Change of correspon Address form PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME ANI PLEASE NOTE: Unless recordation as set forth it (A) NAME OF ASSIGNE SAMSUNG ELECTION AND PLEASE NOTE: Unless recordation as set forth it (A) NAME OF ASSIGNED AND ELECTION AND ELECTION AND ELECTION AND ELECTION PROPERTY OF ASSIGNED AND ELECTION PROPERTY OF ASSIGNED AND ELECTION PROPERTY OF ADDRESS AND ELECTION PROPERTY O	dence address (or Change of 122) attached. ation (or "Fee Address" Indicor more recent) attached. Up D RESIDENCE DATA TO E as an assignee is identified bin 37 CFR 3.11. Completion REE TRONICS, CO.	Correspondence ation form e of a Cuntomer E PRINTED ON T clow, no assigned of this form is NOT (B	(1) the na or agents (2) the na registered 2 registered issted, no or the parten data will app T a substitute (3) RESIDENC Suwon Rebub	ames of up to 3 registered pates OR, alternatively, me of a single firm (having as attorney or agent) and the nam ed patent attorneys or agents. If name will be printed. T (print or type) near on the patent. If an assign for filing an assignment. CE: (CITY and STATE OR CO City, Kyungk Olic of Korea	at attorneys 1 Jeff 2 each of up to no name is 3 each of up to no name is 4 untray 1 Jeff 2 each of up to no name is 3 each of up to no name is 3 each of up to no name is 4 untray	locument has been filed fo		
Depublication Fee (No small entity discount permitted) Advance Order - # of Copies Deposit Account Number Change in Entity Status (from status indicated above) Applicant claims SMALL ENTITY status. See 37 CFR 1.27. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if equited) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other par nationated in the tee(s) is electrical to the levels is attached. Payment by credit card, Form PTO-2038 is attached. Detail The Director is hereby authorized by charge the required fee(s), or credit any overpayment becomes in the rector of the required fee(s), or credit any overpayment by credit card. Form PTO-2038 is attached. Detail The Director is hereby authorized by charge the required fee(s), or credit any overpayment by credit card. Form PTO-2038 is attached. Detail The Director is hereby authorized by charge the required fee(s), or credit any overpayment by credit card. Form PTO-2038 is attached. Detail The Director is hereby authorized by charge the required fee(s), or credit any overpayment by credit card. Form PTO-2038 is attached. Detail The Director is hereby authorized by charge the required fee(s), or credit any overpayment by credit card. Form PTO-2038 is attached. Date The Director is hereby authorized by charge the required fee(s), or credit any overpayment by credit card. Form PTO-2038 is attached. Detail The Director is hereby authorized by charge the required fee(s), or credit any overpayment by credit card. Form PTO-2038 is attached. Detail The Director is hereby authorized by charge the required fee(s), or credit any overpayment by credit card. Form PTO-2038 is attached. Detail The Director is hereby authorized by charge the required fee(s), or credit any overpayment by card in the second of the card in the second of the c	ia. The following fee(s) are					- Printed of Older printed gri	out and a dovernment		
Advance Order - # of Copies	44			A check in the amount of the fee(s) is enclosed.					
Deposit Account Number (enclose an extra copy of this form). 5. Change in Eartity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other par interest as shown by the records of the United States Avent and Trademark Office. Date Date	Publication Fee (No small entity discount permitted)			Payment by credit card, Form PTO-2038 is attached.					
5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Eee (if equived) will not be accepted from anyone other than the applicant; a registered attorney or agent, or the assignce or other par interest as shown by the records of the United States Attent and Trademark Office. Date Date	☐ Advance Order - # o	f Copies		The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number(enclose an extra copy of this form).					
The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other par interest as shown by the records of the United States Frent and Trademark Office. Date Date	a. Applicant claims S	MALL ENTITY status. See	37 CFR 1.27.	🔾 b. Applic	ant is no longer claiming SMA	LL ENTITY status, See 37 C	FR 1.27(g)(2),		
Authorized Signature Date May 12, 2005	The Director of the USPTO NOTE: The Issue Fee and I interest as shown by the rec	is requested to apply the Issu ublication Eee (it required) v ords of the United States Auto	e Fee and Publicat vill not be accepted at and Trademark	tion Fee (if an I from anyone Office.	ny) or to re-apply any previously cother than the applicant; a regi	y paid issue fee to the applica stered attorney or agent; or the	ation identified above. ne assignee or other party in		
Typed or printed name /effrey P. Aiello Registration No. 39,086	·		>		A	0 0			
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to procau, application, Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including anthering, preparing.				_					

est application. Commonnanty is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form mod/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTOL-85 (Rev. 12/04) Approved for use through 04/30/2007.

OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



Patent Manager Samsung Information Systems America 75 West Plumeria Drive San Jose, CA 95134 Tel: (408) 544-5607 Fax: (408) 544-5653

Facsimile

To:	Mail Stop ISSUE FEE			From:	Jeffrey P. Aiello 3		
Fax:	(703) 746-4000		Pagesi				
Phone:			Date:	5/12/2005			
Re:	Payr	ment of Issue & Pub	lication Fees	CC:			
□ Urg	jent	☐ For Review	□ Please Co	mment	☐ Please Reply	☐ Please Recycle	
• Con	nment	s:	. ,				
Dear S	Sirs,						
		ne attached Fee Tra	nsmittal and Cre	edit Card Pa	ayment Form (PTO-2	2038). Please let me	

Thank you,

Jeffrey P Aiello Reg. No.: 39,086 Patent Manager